

MINUTES OF THE  
MARICOPA ASSOCIATION OF GOVERNMENTS  
STANDARD SPECIFICATIONS AND DETAILS COMMITTEE

March 6, 2002  
Maricopa Association of Governments Office, Cholla Room  
302 North First Avenue  
Phoenix, Arizona

VOTING MEMBERS

Barry Combs, Chandler	Keith Kesti, Peoria
Mark Weiner, Gilbert	Jeff Van Skike, Phoenix (St. Trans.)
Pat Thurman, Glendale	Troy Hayes, Phoenix (Water)
David Ramirez, Goodyear	Rod Ramos, Scottsdale
Ted Collins, MCDOT	Brian Pirooz, Surprise
Steven Borst, MCESD	James Bond, Tempe
Doug Davis, Mesa	

ADVISORY MEMBERS

• James Pulice, Jr., AGC	Tom Domizi, UTCA
Jim Grose, AGC	Peter Kandaris, SRP Engineering
Paul Nebeker, UTCA	*Sean Goris, ACEA
Jeff Benedict, ARPA	

MAG ADMINISTRATIVE STAFF

Paul Ward

GUESTS/VISITORS

Bill DuBois, City of Mesa  
Bob Erdman, MCDOT  
Joe Philips, MCDOT  
Rod Whitt, City of Tempe

\* Members not attending or represented by proxy.

1. Call to Order

The meeting was called to order at 1:36 p.m.

2. Approval of Minutes

The members reviewed the minutes from the meeting of February 6, 2002. Ted Collins introduced a motion for a vote on the minutes with no exception. Barry Combs seconded the motion. A voice vote of all ayes and no nays was recorded.

3. 2001 Carry Over Cases:

- a. **Case 01-07 - Section 750 & 630 - Various Water Changes:** No action on this case.
- b. **Case 01-08 - Section 710 - Pavement Replacement:** Rod Ramos requested comments from the committee regarding the case. The committee had a general discussion regarding pavement replacement created by utility installations. The discussion did not produce any specific direction regarding the case. As discussed in earlier meeting minutes, the final report for the Evaluation of Pavement Cut Impacts has not been released. Rod is hoping it will be this month.

4. New Cases:

- a. **Case 02-01 - Section 101.2 - Definition for Unbalanced Bid:** Ted Collins requested the discussion and action on this case be tabled for this meeting. Since Maricopa County Flood Control requested this case, Ted has arranged for the Flood Control to attend the next meeting to address the committees comments and questions.
- b. **Case 02-02 - Section 738.1 - Definition of Low Pressure Storm Drain:** Ted Collins requested the discussion and action on this case be tabled for this meeting. Since Maricopa County Flood Control requested this case, Ted has arranged for the Flood Control to attend the next meeting to address the committees comments and questions.
- c. **Case 02-03 - Section 321.6 - Corrective Requirement for Deficient Asphalt:** Ted Collins introduced Joe Phillips from MCDOT to discuss the details of this case. Joe provided a summary of the changes that the case will incorporate in the Specifications and the reasons behind each change. Doug Davis noted that the method of pay reduction has been a problem with Mesa. The problem is determining the value selected for the payment. The bid quantities for the various projects do not always lend themselves for this type of computation. Doug suggest considering a percentage cost per ton of asphalt, square yard per inch of depth, etc. for this item. Jeff Benedict commented that the ARPA suppliers attempt to provide a mix that will satisfy the agencies. The problems ARPA has that each agency has a different method to administer the deficiencies and the corrective action. The Committee engaged a general discussion on the criteria, method and testing for the deficiencies. Doug informed the committee that the City of Mesa has developed a new procedure for testing and corrective action. Most contractors have accepted the procedure however, some have expressed a concern in the method to select the number of test samples and locations of the samples.
- d. **Case 02-04 - Section 710 - Asphalt Concrete:** Ted Collins referred the discussion of this case to Joe Phillips. Joe provided a summary of the changes that the case will incorporated in the Specifications and the reasons behind each change. A summary of the changes are as follows:
  - The deletion of the medium traffic mixes will reduce the number of mixes available to select. Also, very few, if any agency is using the medium mixes.
  - The additional gradation control points in Table 710-2 will require a finer gradation in the mix. Joe has found that the 19 mm mixes are more difficult to compact when the gradation curve crossed the maximum density line too early.
  - The reduction in the number of gyrations to bring the Specification more in line with the national standards.
  - The minimum asphalt content was increased in Table 710-7 to assist in the compaction of

- the mix. Lower asphalt content will make the mix more difficult to compact.
- The Dust Proportion was changed to comply with the national standards.
- The void criteria was expanded to provide another method of measuring the quality of the mix being provided.
- Since quality control is that of the supplier, testing frequency was added to provide the supplier guidelines for corrective action. Joe anticipated that the supplier will be providing his own testing versus testing from a third party or any agency.

The committee had a short discussion on the methods and procedures of each agency's use in the handling testing and corrective actions. Ted Collins provided a correction sheet to each member for this case.

- e. **Case 02-05 - Section 711 - Paving Asphalt:** Ted Collins referred the discussion of this case to Joe Phillips. Joe recommended that the Creep Test be added to the criteria to assist in quality control for the agencies. Also, by adding the test, it will bring the Specification more in line with the national standards. Jeff Benedict provided comments from ARPA Technical Committee (hand out). They believe that the Specification should make reference to AASHTO MP-1 standards rather than calling out each individual test/criteria.
- f. **Case 02-06A - Detail 303-1 - Joint Restraint for Water Pipes:** Doug Davis submitted a case for review and consideration by the committee. In the change over to electronic Details, the titles of the Vertical Up Bend and Vertical Down Bends in Detail 303-1 were interchanged. The problem is in the length of pipe required to be restrained. The up bend will require a greater distance than the down bend.
- g. **Case 02-06B - Section 601.4.2 - Backfilling and Compaction:** Doug Davis submitted a case for review and consideration by the committee. Every Specification book printed since the 1997 edition has an electronic typo in the depth of the first lift of back fill around the pipe. This case will correct the error.

## 5. General Discussion:

- a. Paul Ward informed the committee that the 2002 revisions have a pagination error in the Details. New Details are being printed and placed by hand in the packet. The corrections should be complete by the next meeting. Any person or agency that purchased 2002 revisions can turn in the Detail Section and obtain a new correct copy at no cost. The printing errors as discussed in the last meeting extends to the 2001 books sold last year. However, it does not include the 2001 revisions. The revisions were correct. Jointly, MAG and the printer will replace the book with a correct version upon request. A total of 526-2001 books were sold to the agencies which will be replaced at the next meeting.
- b. Paul Ward informed us that the meeting for the Study of Pavement Patches, conducted by the National Research Council of Canada and the US Corp of Engineers, will be held on March 14 and 15, 2002. The meeting will be held in the MAG offices. If any person would like an agenda or attend, they will need to contact Paul.
- c. Jeff Van Skike asked if any agency is installing colored portland cement concrete in curb & gutter, sidewalks, driveways, etc., and if so, what kind of problems were experienced. Phoenix has determined that all developments will install colored concrete north of the

CAP Canal. There was a short discussion regarding the matching of the color when performing repairs, etc. Jeff Benedict informed the committee that the color can be matched quite closely as long as the original manufacturer's same color additive is used. The color cannot be matched exactly when a different manufacturer's color additive is used.

- d. In a follow up to the last meeting, Jeff Van Skike will not be submitting a case to the Committee regarding the deleterious materials to HDPE and PVC pipes.
- e. In a follow up to the last meeting, an unofficial vote indicated that most of the agencies have changed the MAG standard for spacing of expansion joints. The normal distance established by the agencies is 50 feet. Rod Ramos will consider submitting a case on this item.
- f. Doug Davis distributed out an e-mail provided by MAG staff on a contractor's question regarding Detail 420 - Manholes. The members were requested to review the question for next months meeting. Paul Nebeker noted that most of the agencies do not abide by the MAG Detail for Manholes. Each agency has developed variations to the Detail. Paul will provide a summary sheet on the various agencies changes to the Detail.

6. Adjournment:

The meeting was adjourned at 3:50 p. m.